



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

CHEMICAL & CORROSION LAB SPECIALIST

Job Number: 20000957

Job Code: 40900V000101

Job Group: 4000 - HEALTH SCIENCE AND LABORATORY

Job Established: 02/16/2005

Job Revised: 05/16/2008

Grade: 16 Salary (MIN - MID):

\$21,870-\$28,972 - Hourly

\$3,553.88-\$4,707.96 - 37.5 Hr. Monthly Salary

\$3,790.80-\$5,021.82 - 40 Hr. Monthly Salary

Special Entrance Rate:

NONE

NONE

NONE

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months. For additional information refer to: <http://www.lrc.ky.gov/kar/101/001/325.htm>.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Serves as the technical advisor in the specialty area of transportation related chemical analysis and chemical corrosion. Provides technical support to managers, supervisors, employees and/or businesses in the development and proper implementation of corrosion control standards. Responsible for administrative oversight and supervision of the Transportation centralized chemistry laboratory, including performing laboratory work as required; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree in chemistry or chemical engineering.

EXPERIENCE:

Must have five years of professional chemistry and corrosion science experience. Two years of this experience must have been in a supervisory capacity in a chemistry or corrosion science laboratory.

Substitute EDUCATION for EXPERIENCE:

Additional education in chemistry or corrosion engineering will substitute for the experience on a year-for- year basis up to a maximum of two years.

Substitute EXPERIENCE for EDUCATION:

NONE

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

Must be certified by the National Association of Corrosion Engineers (NACE) as a Certified NACE Coating Inspector OR by the Society for Protective Coatings (SSPC) as a Protective Coatings Specialist. For additional information please refer to: <http://www>.

nace.org/nace/index.asp or <http://www.sspc.org/certification/pcs/default.html> Must maintain certification by the National Association of Corrosion Engineers (NACE) as a Certified NACE Coating Inspector OR by the Society for Protective Coatings (SSPC) as a Protective Coatings Specialist for the length of employment in this class.

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Develops and provides technical training and oversight related to chemical and corrosion standards and methods. Serves as the agency specialist in the field of corrosion sciences and chemical analysis of construction related samples. Performs administrative and supervisory duties in managing the Transportation chemical laboratory and in overseeing the testing of various materials. Supervises employees performing chemical analysis of construction related samples. Performs laboratory work as required. Defines, reviews and maintains analytical laboratory procedures. Assist with the development and review of policy manuals. Integrates standards required for laboratory certification. Drafts and presents reports documenting quality of specific materials tested. Forwards test results to agency personnel and/or private officials as required. Conducts quality assurance reviews of laboratory testing methods to promote standardization and efficiency of test results. Reviews and certifies laboratory results. Conducts employee reviews to determine if completed work product is valid and accurate. Consults with division and district staff explaining sampling procedures for complex materials. Advises divisions and districts on materials required for structural steel coatings. Works with officials outside of state government in the utilization of laboratory facilities. Attends scientific meetings and conferences to gain an understanding of new analytical methods and advances in corrosion sciences. Responsible for completing various reports. Responsible for recommending the purchase of laboratory equipment and supplies.

UNIQUE PHYSICAL REQUIREMENTS:

Stooping and crawling involved with climbing bridge structures.

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Work is performed in both a laboratory setting and on bridge coatings projects. Incumbent may be exposed to hazardous materials, substances or compounds when performing chemical analysis or when performing inspections on the project site.

ADDITIONAL REQUIREMENTS:

Upon appointment, employees in this class may be required to maintain a valid driver's license and required to drive a licensed vehicle. This status may be necessary for the length of time in this class. If this is necessary it will be listed in the specific position description for that position. Applicants and employees in this job title may be required to submit to a drug screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

THE COMMONWEALTH OF KENTUCKY DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, SEXUAL ORIENTATION OR GENDER IDENTITY, ANCESTRY, AGE, DISABILITY, POLITICAL AFFILIATION, GENETIC INFORMATION OR VETERAN STATUS IN ACCORDANCE WITH STATE AND FEDERAL LAWS.